

AMENDMENTS TO THE CLAIMS

The following listing of claims replaces all prior listings and versions of claims in this application.

Listing of Claims:

1. (Currently Amended) A composition comprising: leucine and at least one essential amino acid selected from the group consisting of isoleucine, lysine, methionine, phenylalanine, threonine, tryptophan, valine or histidine in free and/or salt form, wherein said leucine, in free and/or salt form, is present in an amount of at least about 25% to about 95% by weight based on the weight of total amino acids and wherein said composition provides a ratio of total essential amino acids to total amino acids ranging from about 0.60 to about 0.90.

2. (Currently Amended) A composition comprising: leucine and at least one essential amino acid selected from the group consisting of isoleucine, lysine, methionine, phenylalanine, threonine, tryptophan, valine, or histidine in free and/or salt form, wherein total leucine is present in an amount of at least about 25% to about 35% by weight based on the weight of total amino acids and wherein said composition provides a ratio of total essential amino acids to total amino acids ranging from about 0.60 to about 0.90.

3. (Currently Amended) A composition comprising:
a) leucine and at least one essential amino acid in free form and/or salt form selected from the group consisting of isoleucine, lysine, methionine, phenylalanine, threonine, tryptophan, valine, or histidine and, optionally, at least one conditionally essential amino acid selected from the group consisting of tyrosine, cysteine, arginine and glutamine in free form and/or salt form, wherein said leucine, in free and/or salt form, is present in an amount of at least about 25%, and

b) at least one intact protein selected from the group consisting of casein, whey protein, soy protein, collagen or wheat protein, wherein said composition provides a ratio of the total essential amino acids and, optionally, conditionally essential amino acids, are present in an amount of about 55% to about 75% by weight based on the weight of to total amino acids

ranging from about 0.60 to about 0.90 and wherein the ratio of the intact protein to leucine₂ in free form and/or salt form₂ ranges from about 10:1 to about 1:10.

4. (Previously Presented) The composition of claim 3, wherein the essential amino acid comprises leucine and at least one of isoleucine, lysine, methionine, phenylalanine, threonine, tryptophan, valine, or histidine.

5. (Cancelled)

6. (Withdrawn, Currently Amended) The composition of claim 3, further comprising arginine, in free and/or salt form₂ in an amount of at least about 5% to about 40% by weight based on the weight of total amino acids.

7. (Previously Presented) The composition of claim 3, further comprising methionine in free and/or salt form in an amount of at least about 0.5% to about 5% by weight based on the weight of total amino acids.

8. (Original) The composition of claim 3, further comprising an n-3 polyunsaturated fatty acid.

9. (Original) The composition of claim 8, wherein the n-3 polyunsaturated fatty acid is chosen from α -linolenic acid, eicosapentaenoic acid and docosahexaenoic acid.

10. (Original) The composition of claim 3, further comprising at least about 1 g of eicosapentaenoic acid per serving or at least about 2 g of eicosapentaenoic acid per daily dose.

11 (Original) The composition of claim 3, further comprising tocopherol.

12. (Withdrawn) The composition of claim 3, further comprising tocotrienol.
13. (Original) The composition of claim 11, wherein the tocopherol is present in an amount about 50 mg per serving or at least 150 mg per daily dose.
14. (Currently Amended) The composition of claim 3, comprising from about ~~6~~ 15 g to about ~~18~~ 55 g amino acids in free and/or salt form per daily dose.
15. (Cancelled)
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16. (Currently Amended) The composition of claim 3, comprising from about ~~6~~ 36 g to about ~~24~~ 72 g total essential and/or conditionally essential amino acids per serving.
17. (Currently Amended) A kit comprising:
- a) a first composition comprising:
- 1) leucine and at least one essential amino acid in free form and/or salt form selected from the group consisting of isoleucine, lysine, methionine, phenylalanine, threonine, tryptophan, valine, or histidine and, optionally, at least one conditionally essential amino acid selected from the group consisting of tyrosine, cysteine, arginine and glutamine in free form and/or salt form, wherein said leucine, in free and/or salt form, is present in an amount of at least about 25%, and
- 2) at least one intact protein selected from the group consisting of casein, whey protein, soy protein, collagen or wheat protein, wherein said composition provides a ratio of the total essential amino acids and, optionally, conditionally essential amino acids are present in an amount of about 55% to about 75% by weight based on the weight of to total amino acids ranging from about 0.60 to about 0.90; and

b) a second composition comprising an anti-cancer drug, wherein said anticancer drug is 5-fluorouracil, mitomycin-C, adriamycin, chloroethyl nitrosureas or methotrexate.

18. (Withdrawn; Currently Amended) A method of ameliorating a condition associated with cachexia and/or anorexia comprising ~~the step of:~~

administering to a human in need of such amelioration a composition according to claim 3 comprising

~~a) essential and, optionally, conditionally essential amino acids in free form and/or salt form, and~~

~~b) intact protein,~~

~~wherein total essential and, optionally, conditionally essential amino acids are present in an amount of about 55% to about 75% by weight based on the weight of total amino acids.~~

19. (Withdrawn; Currently Amended) The method of claim 18, wherein the condition is ~~chosen from~~ tumor-induced weight loss and or muscle loss.

20. (Withdrawn; Currently Amended) The method of claim 18, wherein the administering step is ~~enterally administering~~ enteral.

21. (Withdrawn; Currently Amended) A method of stimulating muscle protein synthesis comprising ~~the step of:~~

administering to a human in need of such stimulation a composition according to claim 3 comprising

~~a) essential and, optionally, conditionally essential amino acids in free form and/or salt form, and~~

b) intact protein;

~~wherein total essential and, optionally, conditionally essential amino acids are present in an amount of about 55% to about 75% by weight based on the weight of total amino acids.~~

22. (Withdrawn; Currently Amended) A method of reducing malnutrition comprising ~~the step of:~~

administering to a human in need of such reduction a composition according to claim 3 comprising

a) ~~essential and, optionally, conditionally essential amino acids in free form and/or salt form, and~~

b) intact protein;

~~wherein total essential and, optionally, conditionally essential amino acids are present in an amount of about 55% to about 75% by weight based on the weight of total amino acids.~~

23. (Currently Amended) A composition consisting essentially of: leucine and at least one essential amino acid selected from the group consisting of isoleucine, lysine, methionine, phenylalanine, threonine, tryptophan, valine or histidine in free and/or salt form, wherein leucine, in free and/or salt form, is present in an amount of at least 10% to about 35 25% by weight based on the weight of total amino acids.

24. (Currently Amended) A composition consisting essentially of: leucine and at least one essential amino acid selected from the group consisting of isoleucine, lysine, methionine, phenylalanine, threonine, tryptophan, valine, or histidine in free and/or salt form, wherein total leucine is present in an amount of at least about 20 25% ~~to about 35%~~ by weight based on the weight of total amino acids.

25. (Currently Amended) A composition consisting essentially of:

a) leucine and at least one essential amino acid selected from the group consisting of isoleucine, lysine, methionine, phenylalanine, threonine, tryptophan, valine, or histidine and, optionally, at least one conditionally essential amino acid selected from the group consisting of tyrosine, cysteine, arginine and glutamine in free form and/or salt form, wherein said leucine, in free and/or salt form, is present in an amount of at least about 25%, and

b) at least one intact protein selected from the group consisting of casein, whey protein, soy protein, collagen or wheat protein, wherein said composition provides a ratio of the total essential amino acids and, optionally, conditionally essential amino acids, ~~are present in an amount of about 55% to about 75% by weight based on the weight of~~ to total amino acids ranging from about 0.60 to about 0.90 and wherein the ratio of the intact protein to leucine in free form and/or salt form ranges from about 10:1 to about 1:10.

26. (Currently Amended) The composition of claim 3, comprising from about ~~40~~ 12 g to about ~~20~~ 15 g leucine in free and/or salt form per daily dose.

27. (Previously Presented) The composition of claim 3, further comprising methionine in free and/or salt form in an amount of at least about 5% to about 7% by weight based on the weight of total amino acids.

28. (Currently Amended) A kit comprising:

a) a first composition consisting essentially of:

1) leucine and at least one essential amino acid in free form and/or salt form selected from the group consisting of isoleucine, lysine, methionine, phenylalanine, threonine, tryptophan, valine, or histidine and, optionally, at least one conditionally essential amino acid selected from the group consisting of tyrosine, cysteine, arginine and glutamine in free form and/or salt form, wherein said leucine, in free and/or salt form, is present in an amount of at least about 25%, and

2) at least one intact protein selected from the group consisting of casein, whey protein, soy protein, collagen or wheat protein, wherein said composition provides a ratio of the total essential amino acids and, optionally, conditionally essential amino acids ~~are present~~ in an amount of about 55% to about 75% by weight based on the weight of to total amino acids ranging from about 0.60 to about 0.90; and

b) a second composition comprising an anti-cancer drug, wherein said anticancer drug is 5-fluorouracil, mitomycin-C, adriamycin, chloroethyl nitrosureas or methotrexate.

29. (Cancelled)